MIAMI-DADE COUNTY, FLORIDA METRO-DADE FLAGLER BUILDING

140 WEST FLAGLER STREET, SUITE 1603 MIAMI, FLORIDA 33130-1563 (305) 375-2901 FAX (305) 375-2908

www.miamidade.gov

NOTICE OF ACCEPTANCE (NOA)

Southern Metal Products, LLC d/b/a All Broward Hurricane Panel, Inc. 450 West McNab Road Ft. Lauderdale, Florida 33309

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: ASSA / Extruded Aluminum Bertha Bahama Shutter

APPROVAL DOCUMENT: Drawing No. 06-250, titled "ASSA / Extruded Bertha Bahama Shutter", sheets 1 through 9 of 9, prepared by Tilteco, Inc., dated October 24, 2006, last revision #1 dated October 26, 2006, signed and sealed by Walter A. Tillit Jr., P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises & renews NOA # 03-1027.06 and consists of this page 1, evidence submitted pages E-1, E-2, & E-3 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.

He lung A. Malo No No No 06-1026.03 Expiration Date: 03/04/2012 Approval Date: 03/29/2007

Page 1

Southern Metal Products, LLC d/b/a All Broward Hurricane Panel, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #98-1223.11

A. DRAWINGS

1. Drawing No. 98-200, titled "ASSA/Extruded Bertha Bahama Shutter", prepared by Tilteco Inc., dated August 13, 1998, sheets 1 through 8 of 8, signed and sealed by Walter A. Tillit, Jr., P.E.

B. TESTS

1. See Association's generic approval number 98-0090.

C. CALCULATIONS

1. See Association's generic approval number 98-0090.

D. MATERIAL CERTIFICATIONS

1. See Association's generic approval number 98-0090.

E. STATEMENTS

- 1. Release letter issued by the American Shutter Systems Association, Inc., dated December 16, 1998, certifying this product to meet the criteria of product tested and approved, and allowing All Broward Hurricane Panel, Inc. to use the test results approved under Miami-Dade County Approval No. 98-0090, signed by Mr. John J. Cooper.
- 2. Acknowledgment letter by All Broward Hurricane Panel, Inc., dated December 8, 1998, signed by Mr. LeRoy A. Peterson.
- 3. Letter by Tilteco Inc., dated December 17, 1998, certifying that the drawing (No. 98-200) prepared for All Broward Hurricane Panel, Inc., signed and sealed by Mr. Walter A. Tillit, Jr., P.E., is engineering wise identical to ASSA's generic drawing (No. 97-229).
- 4. Letter issued to Mr. Alfred W. Roettger on February 18, 1999 and returned signed by Mr. Alfred W. Roettger on February 22, 1999, indicating to please issue the proposed Notice of Acceptance as submitted and reviewed.

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #02-0215.10

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

Hormy A. Makar, P. E., M.S. Product Control Examiner NOA No 06-1026.03

Expiration Date: 03/04/2012 Approval Date: 03/29/2007

E - 1

Southern Metal Products, LLC d/b/a All Broward Hurricane Panel, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. MATERIAL CERTIFICATIONS

1. None.

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #02-0502.06

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. MATERIAL CERTIFICATIONS

1. None.

E. STATEMENTS

1. Acceptance Letter issued to Mr. John Pisz on May 15, 2002 and returned signed by Mr. John Pisz on May 16, 2002, indicating to please issue the proposed Notice of Acceptance as submitted and reviewed.

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #03-1027.06

A. DRAWINGS

1. Drawing No. 03-024, titled "ASSA / Extruded Bertha Bahama Shutter", sheets 1 through 8 of 8, prepared by Tilteco, Inc., dated February 4, 2003, last revision #2 dated October 18, 2003, signed and sealed by Walter A. Tillit Jr., P.E.

B. TESTS

1. See Association's generic approval number 03-0114.

C. CALCULATIONS

1. See Association's generic approval number 03-0114.

D. QUALITY ASSURANCE

1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS

1. See Association's generic approval number 03-0114.

Helmy A. Molon Alelmy A. Makar, P. E., M.S.

Product Control Examiner NOA No 06-1026.03

Expiration Date: 03/04/2012 Approval Date: 03/29/2007

Southern Metal Products, LLC d/b/a All Broward Hurricane Panel, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Letter by Tilteco Inc., dated October 15, 2003, signed and sealed by Mr. Walter A. Tillit, Jr., P.E., certifying that the drawing (No. 03-024) prepared for All Broward Hurricane Panel, Inc., is the same as drawing (No. 98-200) except revising General Notes #1 & #9 to reference the Florida Building Code and the ASCE 7-98.

5. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. 06-250, titled "ASSA / Extruded Bertha Bahama Shutter", sheets 1 through 9 of 9, prepared by Tilteco, Inc., dated October 24, 2006, last revision #1 dated October 26, 2006, signed and sealed by Walter A. Tillit Jr., P.E.

B. TESTS

1. See Association's generic approval number 05-0237.

C. CALCULATIONS

1. See Association's generic approval number 05-0237.

D. QUALITY ASSURANCE

1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS

1. See Association's generic approval number 05-0237.

F. STATEMENTS

1. Letter by Tilteco Inc., dated October 26, 2006, signed and sealed by Mr. Walter A. Tillit, Jr., P.E., certifying that the drawing (No. 06-250) prepared for Southern Metal Products, LLC d/b/a All Broward Hurricane Panel, Inc., is the same as drawing (No. 05-094).

Helmy A. Makar, P. E., M.S. Product Control Examiner

NOA No 06-1026.03

Expiration Date: 03/04/2012 Approval Date: 03/29/2007

GENERAL NOTES:

1. EXTRUDED BERTHA BAHAMA SHUTTER SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P. A. D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2004 EDITION OF THE FLORIDA BUILDING CODE.

THIS BAHAMA SHUTTER SYSTEM MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES.

DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE. IN ORDER TO VERIFY THAT ANCHORS ON THIS P.A.D., AS TESTED, WERE NOT OVERSTRESSED, A 33% INCREASE IN ALLOWABLE LOADS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS. HOWEVER, FOR LAG SCREWS INTO WOOD, A 1.60 WIND LOAD DURATION FACTOR WAS USED TO CALCULATE SCREWS SPACINGS.

EXTRUDED BERTHA BAHAMA SHUTTER'S ADEQUACY FOR HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1609.1.4 OF THE ABOVE MENTIONED CODE AS PER ATL REPORTS #0923.01-97 AND #0309.01-04 AS PER PROTOCOLS TAS-201, TAS-202 AND TAS-203.

- 2. ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM ASSOCIATION 6063-T6 ALLOY AND TEMPER, WITH Fy = 25.0 ksi MINIMUM (UNLESS OTHERWISE NOTED).
- 3. ALL SCREWS TO BE STAINLESS STEEL 304 OR 316 SERIES W/ 50 ksi YIELD STRENGTH AND 90 ksi TENSILE STRENGTH OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018.
- 4. BOLTS TO BE ALUMINUM ASSOCIATION 2024—T4 ALLOY AND TEMPER, ASTM A-307 GALVANIZED STEEL, OR AISI 304 SERIES STAINLESS STEEL WITH 36 ksi MINIMUM YIELD STRENGTH.
- 5. ALL ALUMINUM POP RIVETS TO BE 5052 ALUMINUM ALLOY WITH ALUMINUM MANDREL.
- 6. ANCHORS TO WALL SHALL BE AS FOLLOWS: (UNLESS OTHERWISE NOTED)
- (A) TO EXISTING POURED CONCRETE: (Min. f'c=3145 p.s.i.)
- 1/4" Ø TAPCON ANCHORS AS MANUFACTURED BY I.T.W. BUILDEX.
- 1/4" Ø x 7/8" CALK-IN ANCHORS AS MANUFACTURED BY THE POWERS FASTENERS, INC.

NOTES:

- A.1) MINIMUM EMBEDMENT OF TAPCON ANCHORS INTO POURED CONCRETE IS 1 1/2".
- A.2) CALK-IN ANCHORS SHALL BE ENTIRELY EMBEDDED INTO THE POURED CONCRETE. NO EMBEDMENT INTO STUCCO SHALL BE PERMITTED.
- 1/4" $\emptyset-20$ SCREWS USED SHALL BE 1 1/2" LONG MINIMUM SHOULD STUCCO EXIST AND 1" MINIMUM FOR WALLS WITH NO STUCCO.
- A.3) IN CASE THAT PRECAST STONE, PRECAST CONCRETE PANELS, OR PAVERS BE FOUND ON THE EXISTING WALL OR FLOOR, ANCHORS SHALL BE LONG ENOUGH TO REACH THE MAIN STRUCTURE BEHIND SUCH PANELS. ANCHORAGE SHALL BE AS INDICATED ON NOTES A.1) & A.2) ABOVE.
- (B) TO EXISTING CONCRETE BLOCK WALL:
- 1/4" Ø TAPCON ANCHORS AS MANUFACTURED BY I.T.W. BUILDEX.
- 1/4" Ø x 7/8" CALK-IN ANCHORS AS MANUFACTURED BY THE POWERS FASTENERS, INC.

NOTES

- B.1) MINIMUM EMBEDMENT OF TAPCON ANCHORS INTO THE CONCRETE BLOCK UNIT SHALL BE 1 1/4".
- B.2) CALK-IN ANCHORS SHALL BE ENTIRELY EMBEDDED INTO THE CONCRETE BLOCK UNIT. NO EMBEDMENT INTO STUCCO SHALL BE PERMITTED. 1/4" Ø-20 SCREWS USED SHALL BE 1 1/2" LONG MINIMUM SHOULD STUCCO EXIST AND 1" MINIMUM FOR WALLS WITH NO STUCCO.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 06-1026.03
Expiration Date 03/04/2012
By Helm All
Miami Dade Frodect Control

Division

- B.3) IN CASE THAT PRECAST STONE OR PRECAST CONCRETE PANELS BE FOUND ON THE EXISTING WALL, ANCHORS SHALL BE LONG ENOUGH TO REACH THE MAIN STRUCTURE BEHIND SUCH PANELS. ANCHORAGE SHALL BE AS INDICATED ON NOTES B.1) & B.2) ABOVE.
- (C) ANCHORS SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER.
- 7. EACH SHUTTER SHALL HAVE A LEGIBLE AND READILY VISIBLE MARKING INSTRUCTING OWNER OR TENANT TO SECURE SHUTTER WITH SIDE & SILL BRACKETS DURING PERIODS OF HURRICANE WARNINGS.
- 8. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE SHUTTER IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE. CONTRACTOR TO SEAL/CAULK ALL SHUTTER COMPONENT EDGES WHICH REMAIN IN PERMANENT AND CONTINUOUS CONTACT WITH THE BUILDING TO PREVENT WIND/RAIN INTRUSION. CAULK AND SEAL SHUTTER TRACKS ALL AROUND FULL LENGTH. THIS SHUTTER SHALL ONLY BE ATTACHED TO CONCRETE, BLOCK OR WOOD FRAME BUILDINGS.
- 9. EXTRUDED BERTHA BAHAMA SHUTTER'S INSTALLATION SHALL COMPLY WITH SPECS INDICATED IN THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED TO.
- 10. (a) THIS P.A.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.A.D.
- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.A.D., PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
- (c) THIS P.A.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- (d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.A.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- (e) THIS P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.
- 11. SHUTTER'S MANUFACTURER LABEL SHALL BE PLACED ON THE EXPOSED SURFACE OF THE BAHAMA FRAME © OR ©.

 ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABEL SHALL READ AS FOLLOWS:

 SOUTHERN METAL PRODUCTS, LLC d/b/a ALL BROWARD HURRICANE PANEL, INC.

 FORT LAUDERDALE, FL.

 MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

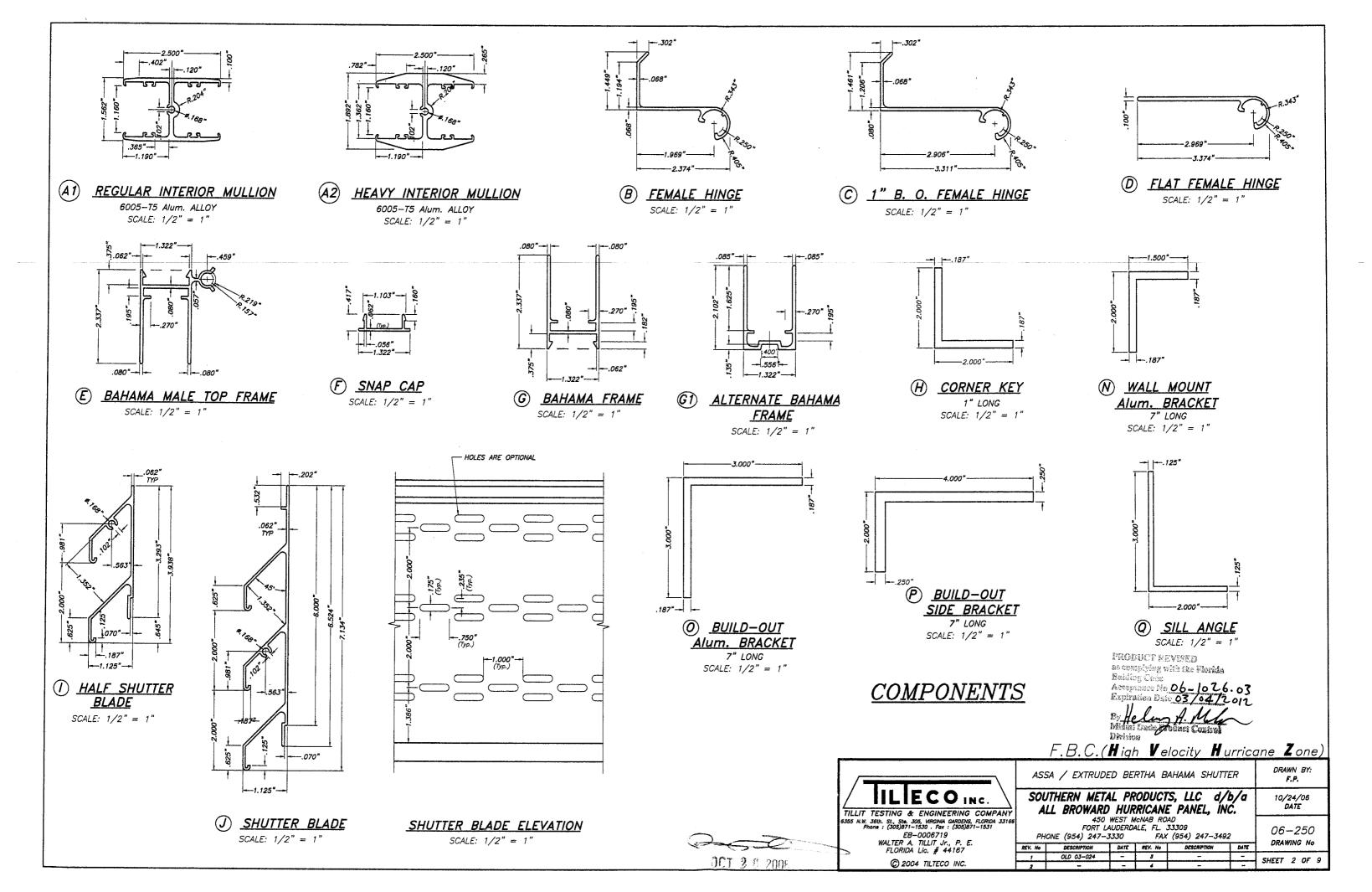
F.B.C. (High Velocity Hurricane Zone) DRAWN BY: ASSA / EXTRUDED BERTHA BAHAMA SHUTTER F.P. SOUTHERN METAL PRODUCTS, LLC d/b/a 10/24/06 ALL BROWARD HURRICANE PANEL, INC. TILLIT TESTING & ENGINEERING COMPANY 450 WEST MCNAB ROAD FORT LAUDERDALE, FL. 33309 355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FLORIDA 33166 Phone : (305)871-1530 . Fax : (305)871-1531 06 - 250EB-0006719 WALTER A. TILLIT Jr., P. E. FLORIDA Lic. # 44167 PHONE (954) 247-3330 FAX (954) 247-3492 DRAWING No REV. No DESCRIPTION DATE REV. No DESCRIPTION DATE OLD 03-024 - 3 SHEET 1 OF S © 2004 TILTECO INC.

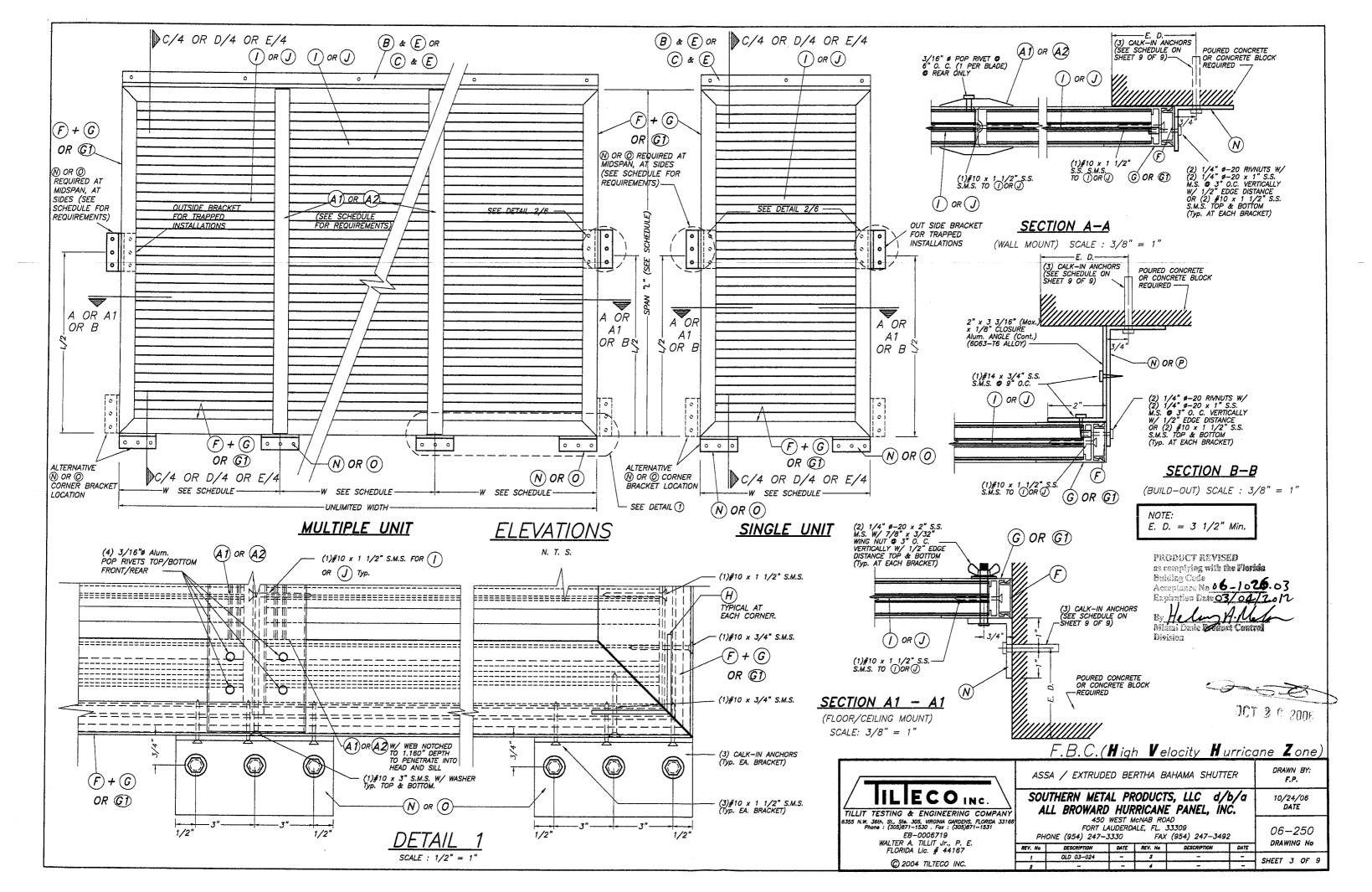
TILLIT TES

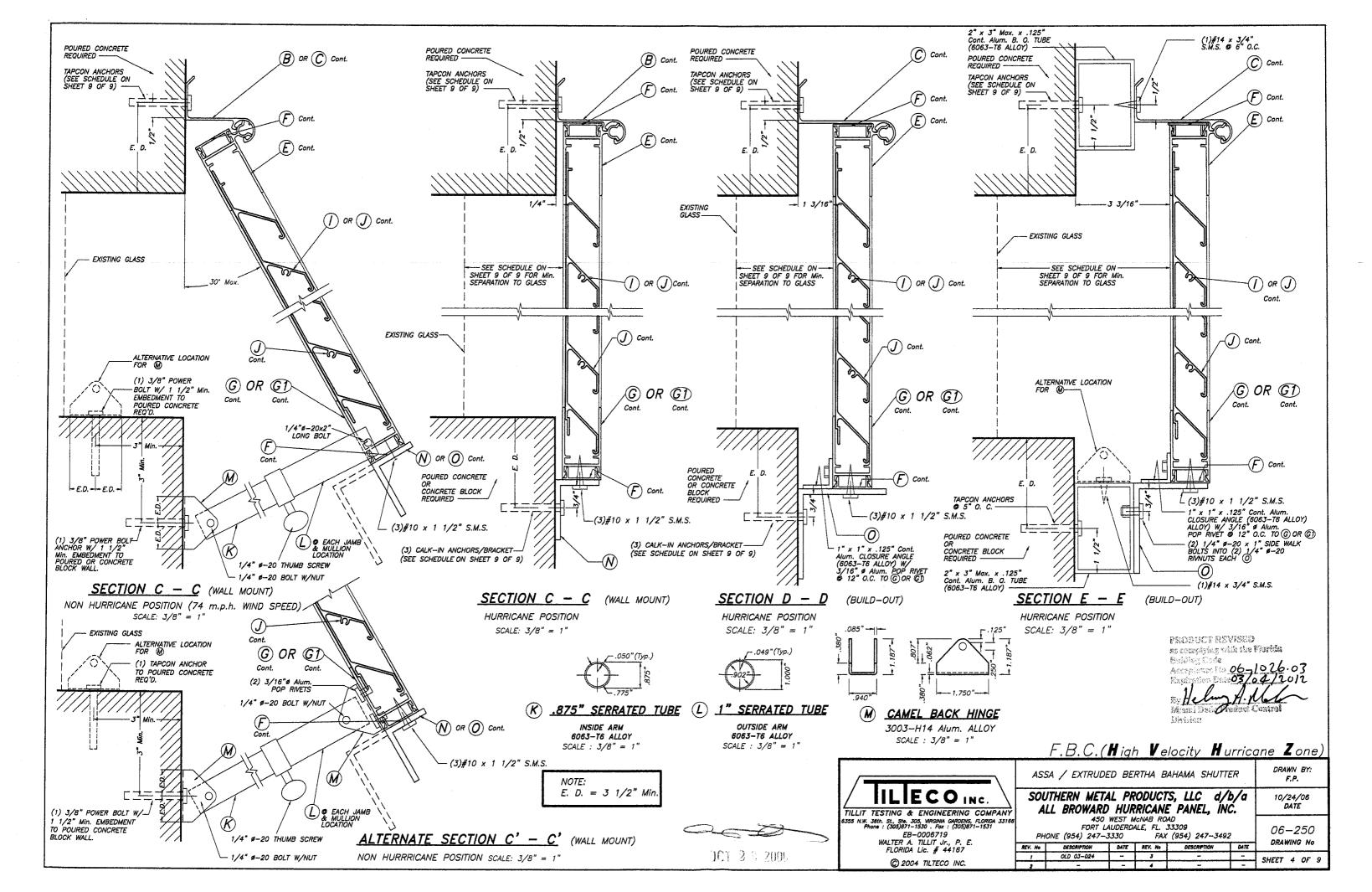
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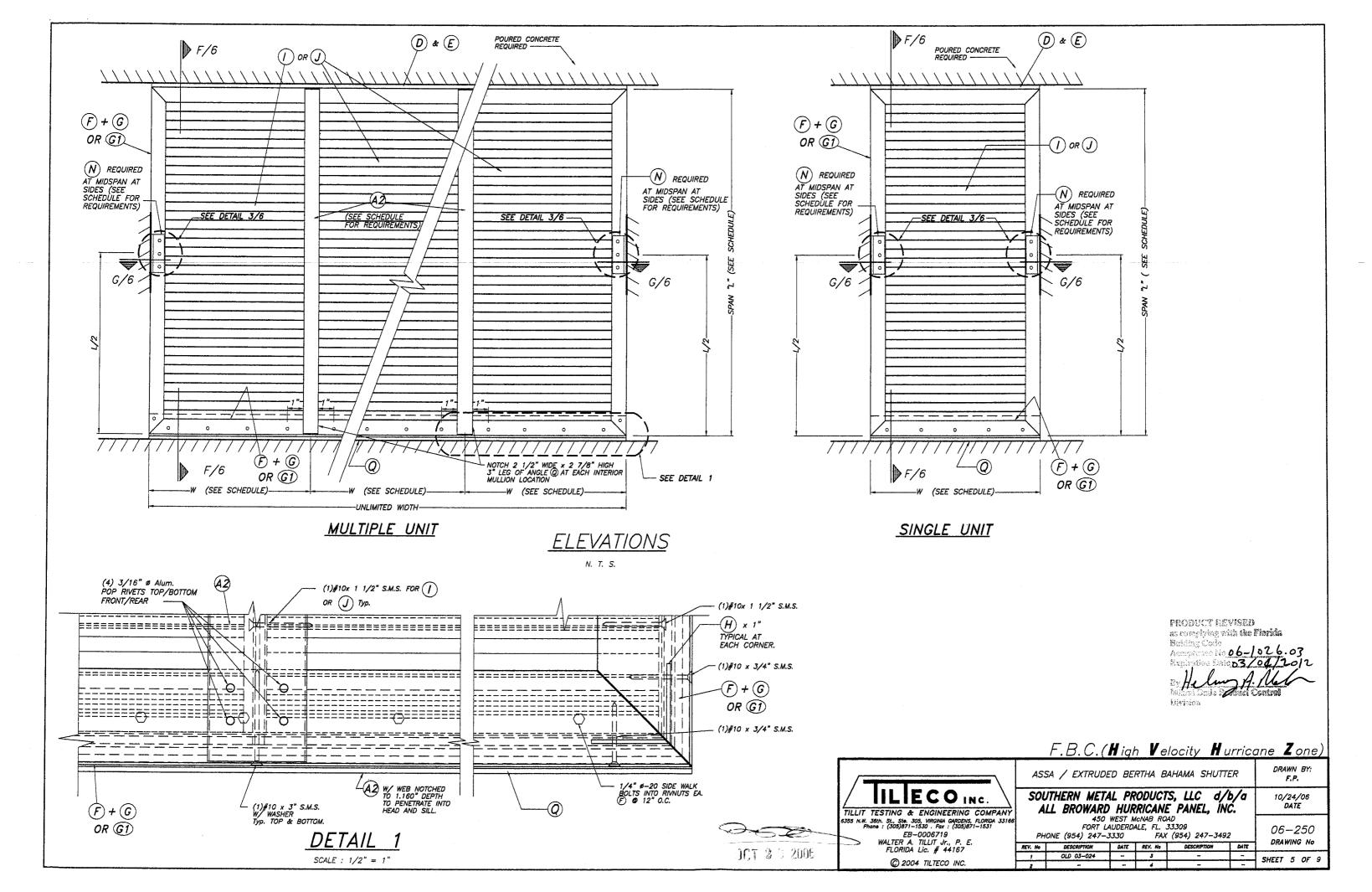
Phone:

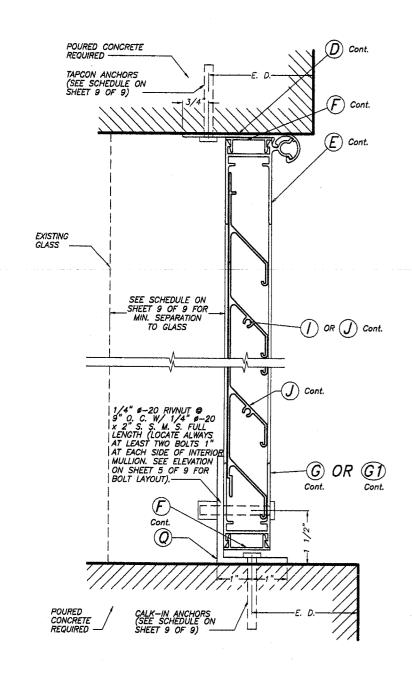
WA







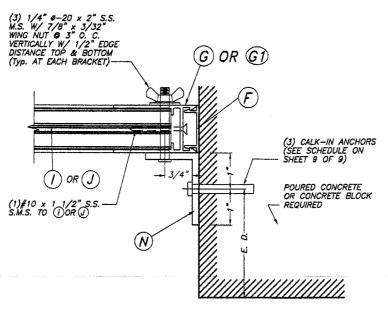




SECTION F - F

(TRAPPED MOUNT)

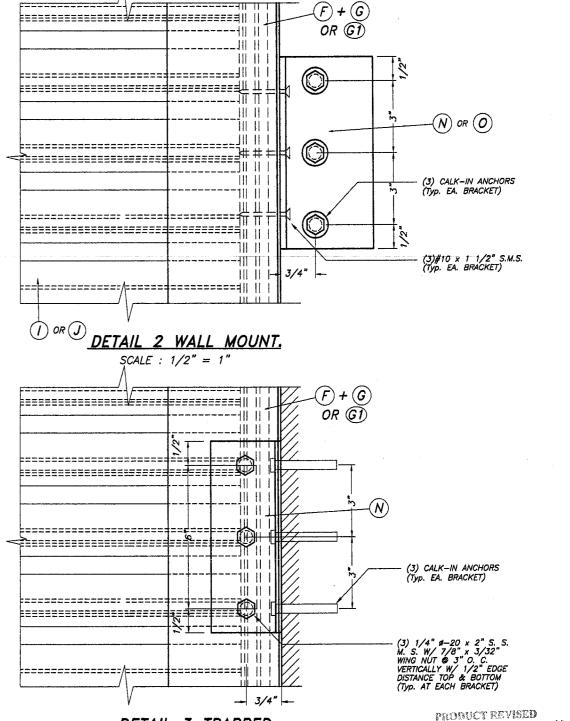
HURRICANE POSITION SCALE: 3/8" = 1"



SECTION G - G

(TRAPPED MOUNT) HURRICANE POSITION SCALE: 3/8" = 1"

E. D. = 3 1/2" Min.



DETAIL 3 TRAPPED

SCALE : 1/2" = 1"

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 06-1026.03 Expiration Date 03/04/2012

DRAWN BY:

F.P.

10/24/06

DATE

F.B.C.(High Velocity Hurricane Zone)

Division

ILLECO INC.

TILLIT TESTING & ENGINEERING COMPANY 155 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FLORIDA 3316 Phone : (305)871-1530 . Fax : (305)871-1531 EB-0006719

WALTER A. TILLIT Jr., P. E. FLORIDA Lic. # 44167 © 2004 TILTECO INC.

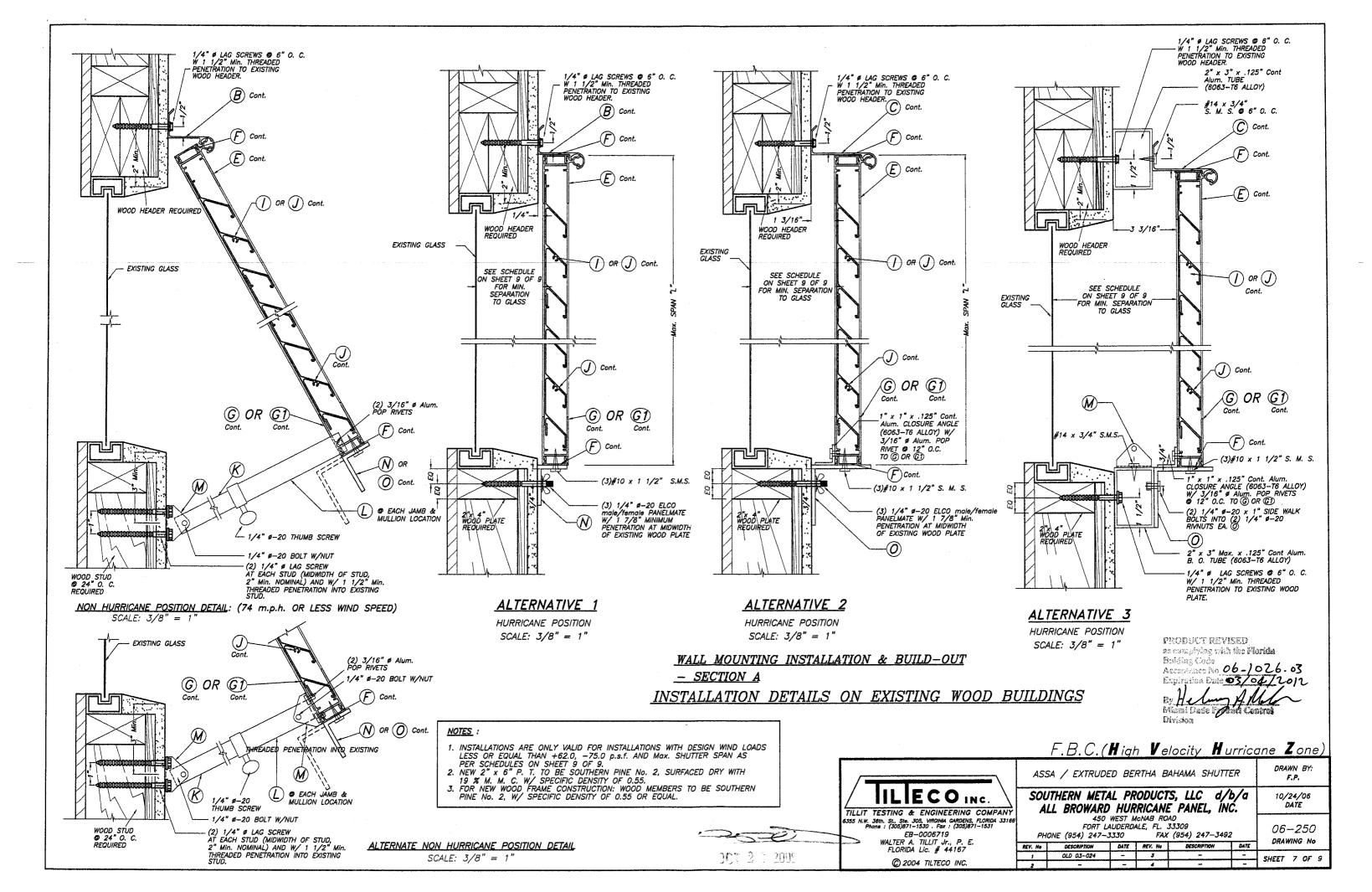
SOUTHERN METAL PRODUCTS, LLC d/b/a ALL BROWARD HURRICANE PANEL, INC.

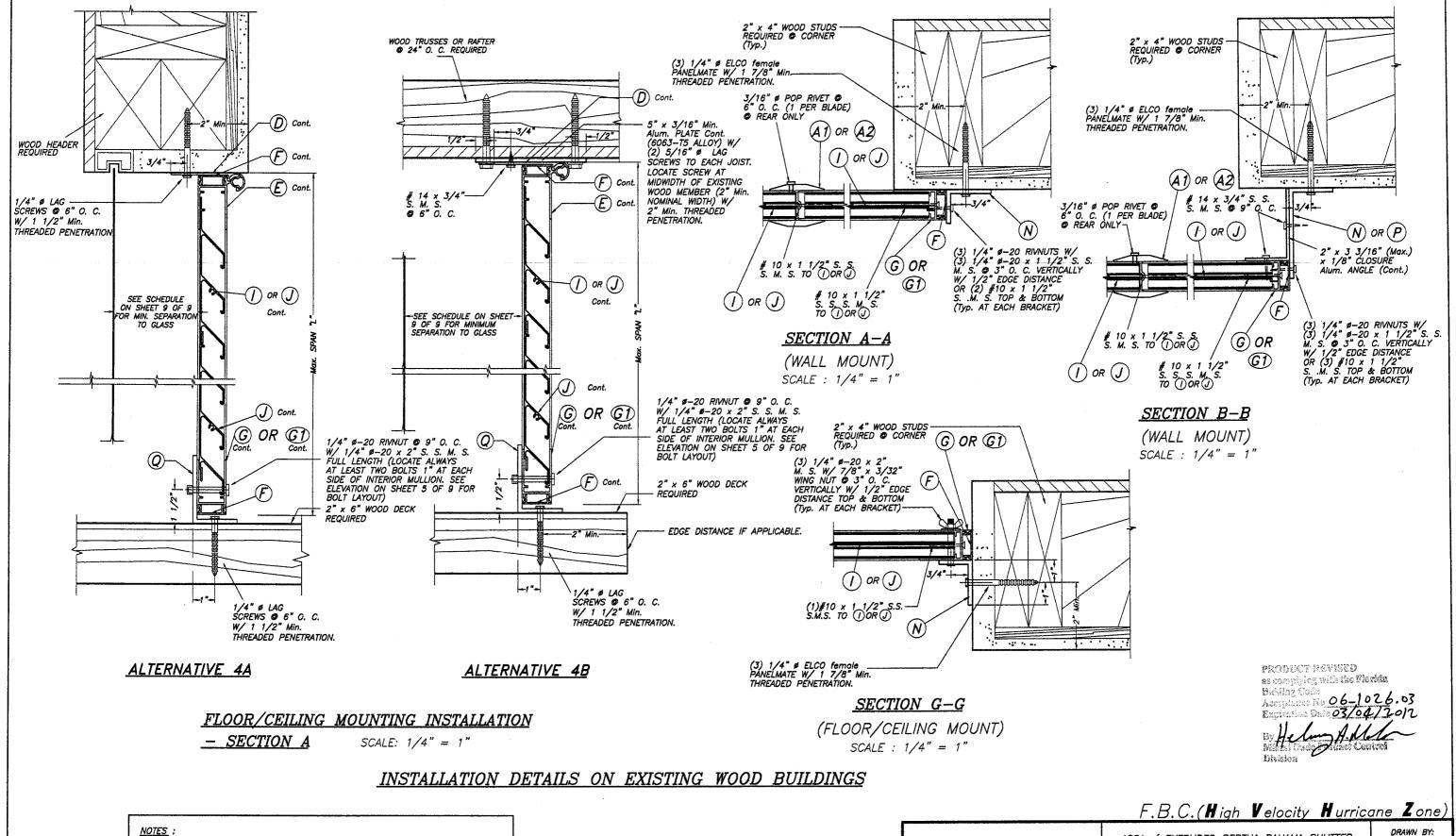
ASSA / EXTRUDED BERTHA BAHAMA SHUTTER

450 WEST MCNAB ROAD FORT LAUDERDALE, FL. 33309 PHONE (954) 247-3330

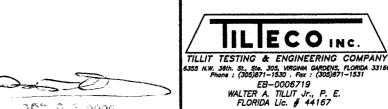
06-250 FAX (954) 247-3492 DRAWING No REV. No DESCRIPTION DATE REV. No DESCRIPTION 3 OLD 03-024 SHEET 6 OF 9

JCT 3 1 200t





- 1. INSTALLATIONS ARE ONLY VALID FOR INSTALLATIONS WITH DESIGN WIND LOADS LESS OR EQUAL THAN +62.0, -75.0 p.s.f. AND Max. SHUTTER SPAN AS PER SCHEDULES ON SHEET 9 OF 9.
 2. NEW 2" x 6" P. T. TO BE SOUTHERN PINE No. 2, SURFACED DRY WITH 19 % M. M. C. W/ SPECIFIC DENSITY OF 0.55.
 3. FOR NEW WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE No. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.



C) 2004 TILTECO INC.

5 2009

ASSA / EXTRUDED BERTHA BAHAMA SHUTTER F.P. SOUTHERN METAL PRODUCTS, LLC d/b/a 10/24/06 DATE ALL BROWARD HURRICANE PANEL, INC. 450 WEST MCNAB ROAD FORT LAUDERDALE, FL. 33309 06-250 FAX (954) 247-3492 PHONE (954) 247-3330 DRAWING No REV. No DESCRIPTION DATE REV. No 1 OLD 03-024 SHEET 8 OF 9

SCHEDULE # 1
MAXIMUM SINGLE UNIT FOR A CORRESPONDING DESIGN PRESSURE AND MOUNTING TYPE

BAHAMA SHUTTER TYPE		SINGLE UNI VALL + WALL MOUNT IR TRAPPED AT SIDES SHEET 3 OF 9)	CASE II : TRAPPED TOP/BOTTOM + SIDES (SHEET 6 OF 9)		
DESIGN PRESSURE		MAXIMUM SPAN "L" (IN)			
RATING (p.s.f.) AND CASE #	MAXIMUM UNIT WIDTH "W" (IN)	W/O SIDE BRACKET	W/ SIDE BRACKET	MINIMUM SEPARATION TO GLASS (IN)	
CASES & +56.0 , -63.0	42"	52"	N/A	3 1/8"	
CASES & +75.0 , -100.0	42"	N/A	96"	2 1/8"	

SCHEDULE # 1A

MAXIMUM MULTIPLE UNIT FOR A CORRESPONDING DESIGN PRESSURE AND MOUNTING TYPE

BAHAMA SHUTTER TYPE	CASE I: WALL + WALL MOUNT OR TRAPPED AT SIDES (SHEET 3 OF 9) (A) OR (A) SIDE BRACKET (Typ.) ALTERNATE SIDE BRACKET UNLIMITED OF UNITS					
DESIGN PRESSURE RATING (p.s.f.)	MAXIMUM UNIT	W/O SIDE BRACKET	MAXIMUM SPA	INTERIOR MULLION	MINIMUM SEPARATION	
AND CASE #	WIDTH "W" (IN)	II/ O OIDE DIMONET	1.7 0.25	TYPE REQUIRED	TO GLASS (IN)	
CASE +50.0 , -43.3	36 1/2"	72 1/2"	N/A	A1	2 1/2"	
CASE +62.0 , -75.0	36 1/2"	N/A	83"	A2	2 3/8"	
CASE +62.0 , -75.0	36 1/2"	N/A	84"	A2	2 3/8"	

SCHEDULE # 2
LIMITATIONS FOR SINGLE AND MULTIPLE UNITS BAHAMA SHUTTER'S UNIT WIDTH (IN), SPAN L (IN) AND
CORRESPONDING MAXIMUM DESIGN PRESSURE (p.s.f.) FOR THE INSTALLATION OF SIDE & SILL BRACKETS
INTO CONCRETE & MASONRY BUILDINGS BY MEANS OF (3) 1/4" Ø x 7/8" CALK-IN ANCHORS *

MAXIMUM NEGATIVE DESIGN PRESSURE RATING (p.s.f.)	SINGLE UNITS			MULTIPLE UNITS SIDE & SILL BRACKETS **				
	SIDE & SILL BRACKETS **							
	TO CONCRETE		TO BLOCK		TO CONCRETE		TO BLOCK	
	Max. "W"	Max. "L"	Max. "W"	Max. "L"	Max. "W"	Max. "L"	Max. "W"	Max. "L"
-55.7	42"	96"	42"	96"	36 1/2"	84"	36"	84"
C5 C	40"	00"	40"	0.0"	70 4 /0"	84"	36"	72"
-65.0	42"	96"	42"	96"	36 1/2"		31"	84"
75.0	40"	00"	40"	00"	70 4 (0"	83"	36 1/2"	62"
-75.0	42"	96"	42"	96"	36 1/2"		27"	83"
-83.0	42"	96"	42"	96"	N/A	N/A	N/A	N/A
100.0	40"	0.0"	42"	63	1		11.74	11.74
-100.0	42" 96"	36"	73	N/A	N/A	N/A	N/A	

SCHEDULE # 3

MAXIMUM ANCHOR SPACING AT TOP FEMALE HINGES ®, ©, OR ® AS

WELL AS SILL ANGLE @ AT BOTTOM (AS APPLICABLE) FOR INSTALLATIONS

INTO POURED CONCRETE HEADERS AND SILL ***

DESIGN PRESSURE	SINGLE & MULTIPLE UNITS		
RATING (p. s. f.)	TOP & BOTTOM TO CONCRETE		
ALL PRESSURES COVERED IN SCHEDULE # 1 & # 1A	9" О.С. ТОР & 7" О.С. ВОТТОМ.		

*** SEE SHEETS 7 & 8 OF 9 FOR ANCHOR SPACING FOR INSTALLATIONS INTO WOOD FRAME BUILDINGS.

* FOR ELCO PANELMATES ((3) 1/4" Ø W/ 1 7/8" PENETRATION) USED AT SILL & SIDE BRACKETS FOR INSTALLATIONS INTO WOOD. SEE SCHEDULES # 1 & # 1A FOR SHUTTER SIZE.

** IN ANY CASE, MAXIMUM "W" & "L" VALUES W/ CORRESPONDING DESIGN LOADS SHALL NOT EXCEED MAXIMUM VALUES INDICATED ON SCHEDULES # 1 & 1A.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 06-1026.03
Expiration Date 03/04/20/2
By Heling H. Million Date Control

ASSA /

TILLIT TESTING & ENGINEERING COMPANY
6335 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FLORIDA 33168
Phone: (305)871-1530 . Fax: (305)871-1531

EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. # 44167

© 2004 TILTECO INC.

F.B.C.(High Velocity Hurricane Zone)

ASSA / EXTRUDED BERTHA BAHAMA SHUTTER

SOUTHERN METAL PRODUCTS, LLC d/b/a
ALL BROWARD HURRICANE PANEL, INC.

450 WEST MCNAB ROAD
FORT LAUDERDALE, FL. 33309
PHONE (954) 247–3330 FAX (954) 247–3492

PHONE (954) 247–3330 FAX (954) 247–3492

REV. No DESCRIPTION DATE REV. No DESCRIPTION DATE

1 OLD 03-024 - 3 - SHEET 9 OF 9

